DAC 25-1837 (REV. 8-70)

FEB 04 1982

DOM 5094

ZARDOUS MATERIALS DATA SHEF
(PLEASE COMPLETE APPLICABLE SECTIONS)

1. PRODUCT NAME, NUMBER, SYNONYM: Kolene DGS
2. MANUFACTURER'S NAME: Kolene Corporation
3. MANUFACTURER'S ADDRESS: 12890 Westwood Ave., Detroit, Mich. 48223
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Wear protective clothing and if dry sweep into container to be neutralized. Flush area with water; if wet hose down or neutralize with dilute acetic acid to PH 9 or 10.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Requires caustic label; must be kept dry in metal containers; acids and strong reducing agents should not be stored in area.
6. FIRST AID TREATMENT:
   A. SKIN CONTACT: Flush well with water for 1 or 2 hours. Treat with mild acid such as vinegar. Consult doctor.
   B. EYE CONTACT: Flush well with water. Consult doctor immediately.
   C. INHALATION: Leave contact area immediately and consult physician.
   D. ANTIDOTE IN CASE OF SWALLOWING: Drink large quantities of milk or water followed by fruit juice and vinegar and prompt medical aid.
7. PHYSIOLOGICAL PROPERTIES:
   A. ACUTE ORAL TOXICITY: Toxic hazard rating 3; ingestion either in solid or solution form causes very severe damage to mucous membranes.
   B. LOCAL EFFECTS UPON EYES: Causes severe tissue damage.
   C. LOCAL EFFECTS UPON SKIN: Corrosive effect on all body tissue.
   D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Dust inhalation can cause damage to upper respiratory tract and to lung tissue.
   E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Irritant to eyes, nose and/or throat.
   F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): 2 milligrams per cubic meter of air.
8. CHEMICAL AND PHYSICAL PROPERTIES:
   A. SPECIFIC GRAVITY (WATER = 1) 2.0 B. VAPOR DENSITY (AIR =1) unknown
   C. VAPOR PRESSURE mm Hg AT 25°C. less than 1 mm D. pH in solution, 13 - 14
   E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS:
   Moist salt corrosive on aluminum, lacquers, and fabrics; as commonly used in molten state, corrosive in contact with magnesium, plexiglass, rubber, lacquers, enamels, fabrics.

F. DOES THE MATERIAL DECOMP(WHEN EXPOSED TO AIR? WATER? HEAT? STRC OXIDIZERS? Not below 1300°F.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Sodium and Potassium Hydroxide	60 - 75%
Sodium Nitrate	10 - 15%
Sodium Chloride	8 - 13%

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Avoid contact in molten state with volatile liquids, powdered metal and organics, strong reducing agents and magnesium. Protective clothing should be worn when working with solid or molten material.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Complete face masks and asbestos gloves should be worn when working with solid or molten material. Heavy coveralls, preferably flame proof, should also be worn.

11. A. FLASHPOINT °F; CLOSED CUP None ; OPEN CUP None ; IF F.P. CHANGES DURING EVAPORATION GIVE DATA: No change

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER None known ; UPPER None known

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES ; NO X

D. FIRE POINT °F Below 1300°F. ; AUTO IGNITION TEMPERATURE °F Below 1300°F.

E. VAPOR DENSITY Unknown.

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? NO, NO^2, CO^2, and H^2O

G. SUITABLE EXTINGUISHING AGENTS: Carbon Dioxide, dry powder and fog type.

12. INFORMATION FURNISHED BY: W. G. Wood

TITLE: Manager - Research & Development

COMPANY: Kolene Corporation

ADDRESS: 12890 Westwood Avenue, Detroit, Mich. 48223

DATE: December 21, 1971

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.